



Y/C to NTSC CONVERSION MODEL PCN-40



Wall Transformer
Included
Part #PWT-3512
or DC Powered

FEATURES

- ◆ Portable
- ◆ Operates on 12 Volts
- ◆ Y/C in, NTSC Out
- ◆ Two outputs

The Link PCN-40 is a professional broadcast quality encoder for combining the Luminance (Y) and Chrominance (C) signals of a Super-VHS signal. The unit provides two outputs of NTSC composite video. The PCN-40 is small and lightweight, housed in a durable high-impact plastic case. A standard 4-pin Mini-DIN provides the input connection while the NTSC output is available on two BNCs. An output level trim is available on the front panel.

Encoding is done using an all-discreet design which combines high performance with low power consumption. The signal is fully buffered and capable of driving long cable runs. An onboard voltage regulator allows the unit to be powered from an external AC or DC supply. A wall transformer, PWT-3512, is included.

Operating voltage range is identical to that of modern ENG cameras (10.8 to 20VDC). The ability to operate from an AC supply also provides complete polarity protection of the power supply input.

Weighing in at only 5.0 ounces (140g), the PCN-40 is perfect for field operations. The Y/C inputs are single-ended and AC coupled. Internal jumpers allow the input grounds to be AC coupled to the circuit ground as well, eliminating the possibility of ground loops.

In the PCN-40, performance, reliability, and economy come together in an attractive, lightweight case. Backed by LINK's standard ten year warranty, including parts and labor, the PCN-40 will provide years of excellent performance.

MODEL PCN-40 Y/C to NTSC ENCODER

SPECIFICATIONS

INPUT:

Y (Luminance): 1.0 Vpp \pm 3dB
C (Chrominance): 0.6 Vpp \pm 3 dB
Connector: One Mini DIN 4 Pin Connector
Configuration: Single Ended, AC Coupled
Impedance: 75 Ω Terminated
Maximum DC On Inputs: \pm 4VDC

OUTPUT:

Number: Two, BNC
Video Level: 1.0 Vpp \pm 3dB
Impedance: 75 Ω \pm 1%
Frequency Response: \pm 0.5 to 18 MHz
..... -3dB @ 30 MHz
Line Rate Tilt: <0.4%
Field Rate Tilt: <0.4%
Output Offset: AC Coupled
Signal to Noise Ratio: >65dB
Propagation Delay: 25nS
Differential Phase: <0.1°
Differential Gain: <0.1%

ENVIRONMENTAL:

Temperature: 0° to 50°C Ambient
Humidity: 1% to 90% non-condensing
Power Consumption: 240 mW
Power Supply: 10.8 to 20VDC or AC RMS

MECHANICAL:

Height: 1.4 Inch
Width: 4.5 Inch
Depth: 2.6 Inch
Weight: 5.0 Oz.

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